

RECEIVED
FORM OGC-3

FEB 26 2013



STATE OF MISSOURI
GEOLOGICAL SURVEY PROGRAM
APPLICATION FOR PERMIT TO DRILL, DEEPEN OR PLUG BACK

<input checked="" type="checkbox"/> APPLICATION TO DRILL		<input type="checkbox"/> DEEPEN		<input type="checkbox"/> PLUG BACK		<input checked="" type="checkbox"/> FOR AN OIL WELL		<input type="checkbox"/> OR GAS WELL	
NAME OF COMPANY OR OPERATOR Kansas Resource Exploration and Development, LLC						DATE 02/01/2013			
ADDRESS 9393 West 110th St., Suite 500				CITY Overland Park		STATE KS		ZIP CODE 66210	
DESCRIPTION OF WELL AND LEASE									
NAME OF LEASE MacLaughlin				WELL NUMBER E-1		ELEVATION (GROUND) 1017'			
WELL LOCATION (GIVE FOOTAGE FROM SECTION LINES) 2310 ft. from <input type="checkbox"/> North <input checked="" type="checkbox"/> South section line 3630 ft. from <input checked="" type="checkbox"/> East <input type="checkbox"/> West section line									
WELL LOCATION Sec. 4 Township 46 North Range 33 <input type="checkbox"/> East <input checked="" type="checkbox"/> West				LATITUDE N38 50' 17.68"		LONGITUDE W94 34' 40.52"		COUNTY Cass 037	
NEAREST DISTANCE FROM PROPOSED LOCATION TO PROPERTY OR LEASE LINE 271 FEET									
DISTANCE FROM PROPOSED LOCATION TO NEAREST DRILLING, COMPLETED OR APPLIED - FOR WELL ON THE SAME LEASE 330 FEET									
PROPOSED DEPTH 700' 317' ELV		DRILLING CONTRACTOR, NAME AND ADDRESS Utah Oil, LLC				ROTARY OR CABLE TOOLS Rotary		APPROX. DATE WORK WILL START 03/01/2013	
NUMBER OF ACRES IN LEASE 138		NUMBER OF WELLS ON LEASE INCLUDING THIS WELL, COMPLETED IN OR DRILLING TO THIS RESERVOIR 18							
		NUMBER OF ABANDONED WELLS ON LEASE 0							
IF LEASE PURCHASED WITH ONE OR MORE WELLS DRILLED, FROM WHOM PURCHASED? NAME DE Exploration ADDRESS 4595 Highway K33, Wellsville, KS 66092						NO. OF WELLS PRODUCING 14 INJECTION 3 INACTIVE 0 ABANDONED 0			
STATUS OF BOND		<input type="checkbox"/> SINGLE WELL AMOUNT \$		<input checked="" type="checkbox"/> BLANKET BOND AMOUNT \$ 280,000		<input checked="" type="checkbox"/> ON FILE <input type="checkbox"/> ATTACHED			
REMARKS: (IF THIS IS AN APPLICATION TO DEEPEN OR PLUG BACK, BRIEFLY DESCRIBE WORK TO BE DONE, GIVING PRESENT PRODUCING/INJECTION ZONE AND EXPECTED NEW INJECTION ZONE; USE BACK OF FORM IF NEEDED) PRODUCER									
PROPOSED CASING PROGRAM				APPROVED CASING - TO BE FILLED IN BY STATE GEOLOGIST					
AMOUNT	SIZE	WT/FT	CEMENT	AMOUNT	SIZE	WT/FT	CEMENT		
20'	8 5/8"	20	6 sks	20	8 5/8"	20	Full LENGTH		
700'	4 1/2"	11.6	125 sks	700	4 1/2"	11.6			
I, the Undersigned, state that I am the C.O.O. of the K.R.E.D. (Company), and that I am authorized by said company to make this report, and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct, and complete to the best of my knowledge.									
SIGNATURE <i>[Signature]</i>						DATE 2/1/13			
PERMIT NUMBER 21203				<input checked="" type="checkbox"/> DRILLER'S LOG REQUIRED <input checked="" type="checkbox"/> CORE ANALYSIS REQUIRED IF RUN <input type="checkbox"/> SAMPLES REQUIRED <input checked="" type="checkbox"/> SAMPLES NOT REQUIRED <input type="checkbox"/> WATER SAMPLES REQUIRED AT					
APPROVED DATE 3-4-12				<input checked="" type="checkbox"/> E-LOGS REQUIRED IF RUN <input checked="" type="checkbox"/> DRILL SYSTEM TEST INFO REQUIRED IF RUN					
APPROVED BY <i>[Signature]</i>									
NOTE ▶ THIS PERMIT NOT TRANSFERABLE TO ANY OTHER PERSON OR TO ANY OTHER LOCATION.									
APPROVAL OF THIS PERMIT BY THE OIL AND GAS COUNCIL DOES NOT CONSTITUTE ENDORSEMENT OF THE GEOLOGIC MERITS OF THE PROPOSED WELL NOR ENDORSEMENT OF THE QUALIFICATIONS OF THE PERMITTEE									
I, B. Leech of the Utah Oil (Company), confirm that an approved drilling permit has been obtained by the owner of this well. Council approval of this permit will be shown on this form by presence of a permit number and signature of authorized council representative.									
DRILLER'S SIGNATURE <i>[Signature]</i>						DATE 2-4-13			

(CONSERVATIVE VALUE)
 225' ELV
 2
 1/2



STATE OF MISSOURI
MISSOURI DEPARTMENT OF NATURAL RESOURCES
GEOLOGICAL SURVEY PROGRAM
INJECTION WELL LOCATION PLAT

RECEIVED

FORM OGC-41

FEB 26 2013

OWNER'S NAME

Kansas Resource Exploration & Development, LLC

Mo Oil & Gas Council

LEASE NAME

MacLaughlin E-1

COUNTY

Cass

WELL LOCATION

(GIVE FOOTAGE FROM SECTION LINES)

2310

ft. from ☐ North ☒ South section line

3630

ft. from ☒ East ☐ West section line

WELL LOCATION

Sec. 4 Township 46 North Range 33 ☐ East ☒ West

LATITUDE

N38° 50' 17.68"

LONGITUDE

W94° 34' 40.52"

N



Sec. 4

MacLaughlin Lease
Pt. S/2

271' from lease

E-1

E-2

330' from
nearest well, E-2

3630' FEL

2310' FSL

REMARKS

Plat Map Scale - 1 Square = 660 feet

INSTRUCTIONS

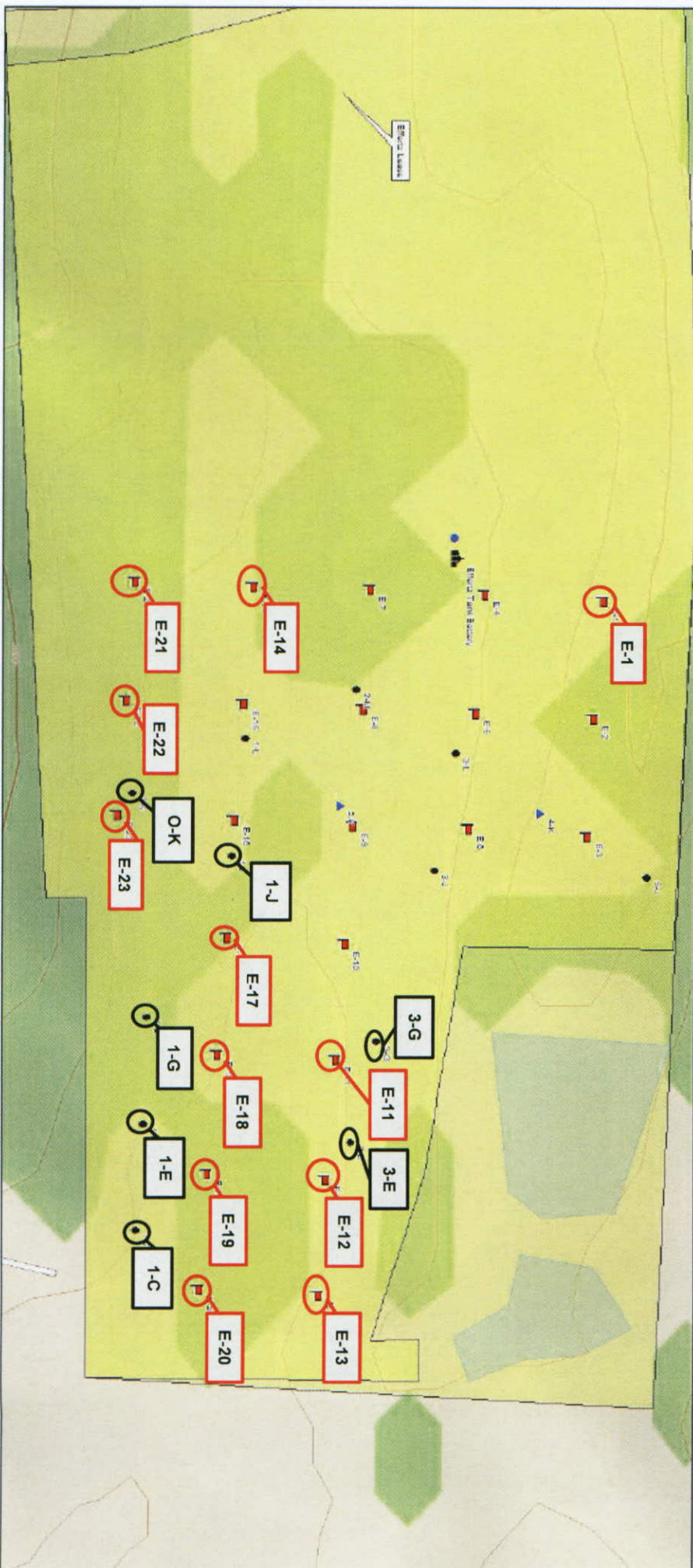
On the above plat, show distance of the proposed well from the two nearest section lines, the nearest lease line, and from the nearest well on the same lease completed in or drilling to the same reservoir. Do not confuse survey lines with lease lines. See rule 10 CSR 50-2.030 for survey requirements. Lease lines must be marked.

This is to certify that I have executed a survey to accurately locate oil and gas wells in accordance with 10 CSR 50-2.030 and that the results are correctly shown on the above plat.

REGISTERED LAND SURVEY

NUMBER

- O** – Circled wells in red are new permits greater than 330' from any well
- O** – Circled wells in black are plugged existing wells

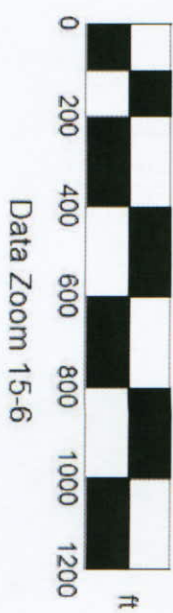


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MN (2.1° E)





Missouri Department of Natural Resources

Geographic Information Systems

Check Location

Select a coordinate format, enter a pair of coordinates in the boxes below it, and then press the SUBMIT button. Please be patient while your information is retrieved. Your coordinates will be converted to the other formats, the information on the right-hand side of the page will be filled in based on your coordinates, and a map will be generated. NOTE: All coordinates must use the North American Datum of 1983 (NAD83).

☐ Universal Transverse Mercator
[Zone 15 North]

Easting
363050.6563390241 meters

Northing
4300009.4342477005 meters

☐ Decimal Degrees

Latitude
38.8382444444445 °

Longitude
-94.5779222222221 °

☒ Degrees, Minutes and Seconds

Latitude Degrees
38 °

Latitude Minutes
50 '

Latitude Seconds
17.68 ''

Longitude Degrees
-94 °

Longitude Minutes
34 '

Longitude Seconds
40.52 ''

UTM Zone 15N [Easting, Northing]	[363050.6, 4300009.4] meters
Decimal Degrees [Lat, Lon]	[38.838244°, -94.577923°]
Deg, Min, Sec [Lat, Lon]	[38° 50' 17.6", -94° 34' 40.5"]
County Name	Cass
County FIPS Code	037
Legal Description	Section 04 T46N R33W
Municipality	Belton
House District	56
Senate District	31
Congressional District	4
MoDNR Region	Kansas City Regional Office
USGS 1:24,000 Quadrangle	Belton [38094-G5]
8 Digit Watershed	10300101 [Lower Missouri-Crooked]
10 Digit Watershed	1030010101 [Blue River]
12 Digit Watershed	103001010104 [Camp Branch-Blue River]
Special Well Drilling Area	Area 2
Ecological Drainage Unit	Central Plains/Blackwater/Lamine
Level III Ecoregion	Central Irregular Plains
Query Time	8.282 s

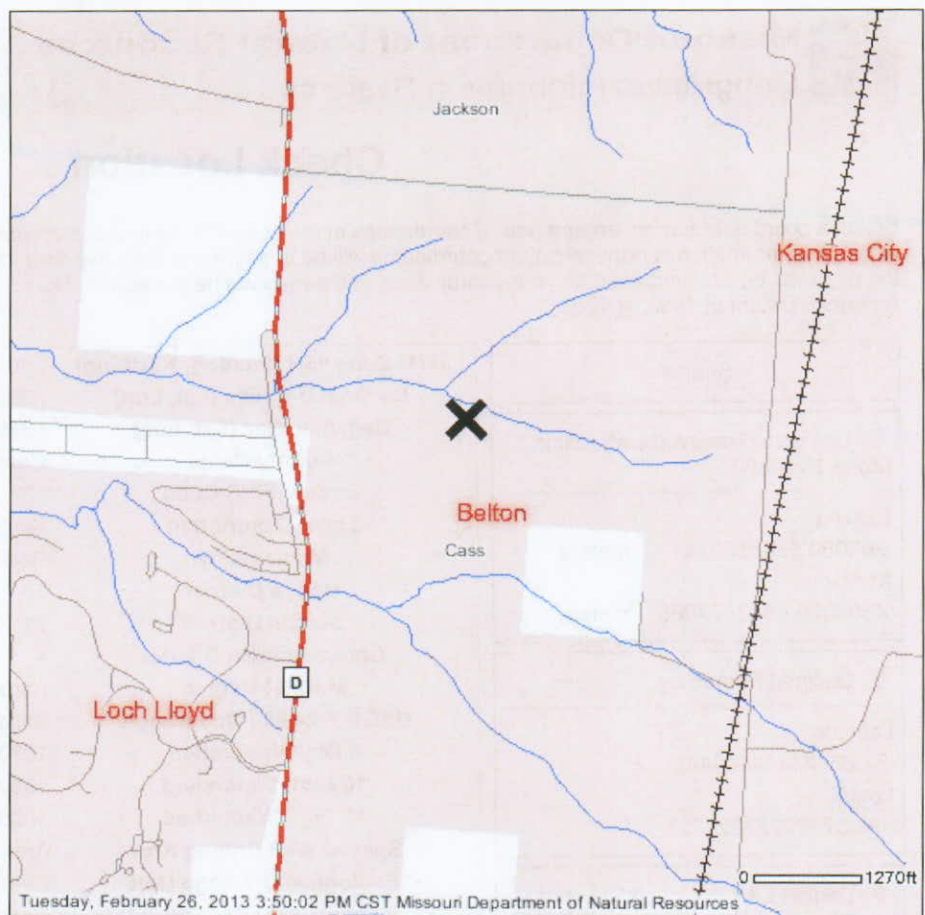
Rows with **red** text indicate that the input location is too close to a boundary to produce reliable results.

NOTE: A result of 'NO VALUE' is usually an indication that no data was found for the location. For example, not every point in Missouri will lie within a municipal boundary, so some will result in a 'NO VALUE'. If 'County Name' results in 'NO VALUE', your point probably lies outside the state.

Metadata

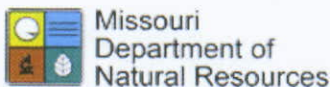
- [Interstate Highways](#)
- [US Highways](#)
- [State Highways](#)
- [Railroad](#)
- [Major and Minor Roads](#)
- [County Boundary](#)
- [Lakes](#)
- [Major Rivers](#)
- [Rivers and Streams](#)
- [Missouri River](#)
- [Mississippi River](#)
- [Municipal](#)

- Legend**
- Interstate Highways
 - US Highways
 - State Highways
 - Railroad
 - Major and Minor Roads
 - County Boundary
 - Lakes
 - Major Rivers
 - Rivers and Streams
 - Missouri River
 - Mississippi River
 - Municipal



View Scale 1:24,000

DISCLAIMER: Although this map has been compiled by the Missouri Department of Natural Resources, no warranty, expressed or implied, is made by the department as to the data and related materials. The act of distribution shall not constitute any such warranty, and no responsibility is assumed by the department in the use of these data or related materials.



P.O. Box 176, Jefferson City, MO 65102
 800-361-4827 / 573-751-3443
 E-mail: contact@dnr.mo.gov